



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): CARTER-SMITH, Michael et al. EXAMINER: Not known  
SERIAL NO.: 10/730,250 GROUP ART UNIT: 3739  
FILED: December 9, 2003 ATTORNEY DOCKET No.: P-6406-US  
FOR: ACUPRESSURE DEVICE

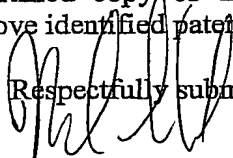
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SUBMISSION OF CERTIFIED PRIORITY DOCUMENT

Sir:

Applicant(s) hereby submits a certified copy of the United Kingdom Application No. 0320159.7 filed August 28, 2003 for the above identified patent application.

Respectfully submitted,

  
\_\_\_\_\_  
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Dated: March 30, 2004

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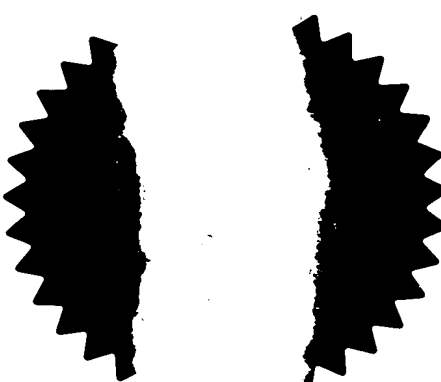
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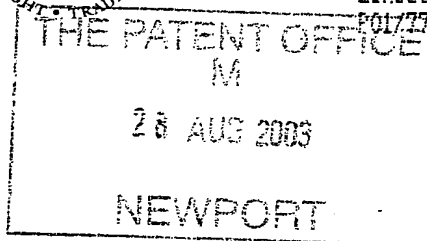
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28AUG03 E633351-1 B15357

P017700 0.00-0320159.7



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M3/BIO/INVENTION

2. Patent application number

(The Patent Office will fill in this part)

0320159.7

12 A AUG 2003

3. Full name, address and postcode of the or of each applicant (underline all surnames)

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GU.

Patents ADP number (if you know it)

8701765001

8701781001

If the applicant is a corporate body, give the country/state of its incorporation

\* Address for all correspondence

4. Title of the invention

BIO ENERGY RING

5. Name of your agent (if you have one)

N/A

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Country

Priority application number  
(if you know it)

Date of filing  
(day / month / year)

N/A

7. If this application is divided or otherwise derived from an earlier UK application, give the number and the filing date of the earlier application

Number of earlier application

Date of filing  
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8. Is a statement of inventorship and of right to grant of a patent required in support of this request? (Answer 'Yes' if:

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- a) any applicant named in part 3 is not an inventor, or
  - b) there is an inventor who is not named as an applicant, or
  - c) any named applicant is a corporate body.
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# Patents Form 1/77

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Description	5 ✓
Claim(s)	3 4 ✓
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Priority documents	NONE
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Statement of inventorship and right to grant of a patent (Patents Form 7/77)	NONE
Request for preliminary examination and search (Patents Form 9/77)	NONE
Request for substantive examination (Patents Form 10/77)	NONE
Any other documents (please specify)	COVERING LETTER RE APPLICATIONS TO USA WITHIN FIRST SIX WEEKS. EP + PCT APPLICATIONS

11. I/We request the grant of a patent on the basis of this application.

Signature

Date 27/8/2003

12. Name and daytime telephone number of person to contact in the United Kingdom

ROSA PHILIP WHITAKA - 01737 370670  
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## **BIO ENERGY RING**

### **Technical Background:**

This invention relates to rings for bio energy use .

### **Background of the invention:**

The object of this invention is to apply precisely pressure to a key point on the surface of the skin by means of a ring, and more particularly relates to a ring which adds a functional element by adopting the Tui Na discipline of Acupressure first practised 5000 years ago. This method is based upon the science of bio energetic meridian lines that flow through the body from the finger tips to the brain.

There are fourteen main meridians in the body connected by collaterals, these are split into six Yin and six Yang with each collateral connecting the brain to an organ associated with the specific meridian.

These energy meridians can get blocked, and by applying acupressure to the corresponding acupoint frees the obstruction by stimulating the blood flow.

Acupressure involves applying pressure to certain meridian points on the body, fingers and hand to relieve pain, increase blood circulation and enable muscle fibres to elongate and relax. This invention focuses on creating the correct bio energetic effect to meridian lines directly effecting the nose and throat thereby promoting noiseless quality sleep patterns and improved blood flow to the heart.

The traditional Chinese method involved the use of natural materials to create a tourniquet and dried rice pods which acted as acupressure stimulators. More recently several acupressure rings have been developed to emulate the acupressure process by blood circulation enhancement.

However they tend to suffer from haphazardly selecting positions on the fingers by means of one or more protuberances creating confusion and disadvantage for the user, Random selection of pressure points will not permit the desired stimulation process of blood circulation. The key pressure point (acupoint) is quite specific to the outer finger of each hand, left (female) right (male)..

Accordingly this invention provides a new type of bio energy ring with blood flow stimulation protuberances (acupressure stimulators) in precise locations to the meridian line acupressure points, to be worn on an outer finger thereby eliminating the problem of random acupoint selection and end user confusion associated with previous acupressure rings. The main beneficiary being the guaranteed improvement of noiseless quality sleep.

The present invention comprises of a discontinuous ring band with a plurality of rounded projections from the inner surface of the ring band corresponding directly with the outer finger meridian acupressure point and applying pressure directly onto the arterial channel.



Preferably the bio energy ring is made of either silver, gold , platinum or titanium but it may instead be made of copper, brass, zinc, steel, wood, plastic or rubber. Also the acupressure stimulators can be a variety of shapes provided they are produced to the correct specification in relation to the acupressure point. Therefore the acupressure stimulators can be round, cylindrical, conical, square or rectangular, singular or plural, and repeated as a novel feature of this invention on the outer edge of the discontinuous ring band directly adjacent to the internal acupressure stimulators as a cosmetic enhancement feature. Where the ring band or acupressure stimulators are moulded or formed in metal, they can be either solid or hollow.

A preferred embodiment of the invention will now be described with reference to the accompanying drawings in which:

### **Brief Description of the Drawings**

Figure 1: An illustration of the human body showing meridian lines.

Figure 2: An illustration showing precise location of acupressure points on human hands.

Figure 2A: An illustration showing the precise location of ring on left hand in relation to the acupressure point on little finger.

Figure 3: Shows a  $\frac{3}{4}$  view of the entire ring, showing plurality of round shaped acupressure stimulators.

Figure 4: Shows cross section of ring.

Figure 5: Shows base section of ring.

Figure 6: Shows top section of ring with gap enabling sizing adjustment of ring shape.

Figure7: Shows side view of ring and plurality of round shaped acupressure stimulators for right hand, reversed if placed on left hand.

Figure 8: Shows side profile of ring and plurality of round shaped acupressure stimulators for left hand, reversed if placed on right hand, and shows optional protuberances repeated for cosmetic enhancement.

### **Description of the Embodiments**

The present invention provides a ring capable of applying continuous pressure to a precise location on the outer finger via protuberances extending from the inner surface of the ring.

As shown in figure 1 a major meridian line extends from the outer finger of the hand up the back of the arm to the neck, throat, sinus, eyes and ears.

In figures 2 and 2A the application of the bio energy ring providing pressure precisely to acupressure point 2 will have a beneficial effect on the blood flow to the throat and sinuses. Application of pressure to any of the points numbered 1 to 18 along the meridian line will also have beneficial effects of varying intensity to other parts of the human body.

As shown in figures 3, 4, 6, 7, and 8 the ring band can be discontinuous comprising of two ends spaced apart.

Figures 3, 4, 7 and 8 show the acupressure stimulators which can be round shaped as shown, but other shapes will perform with equal effect such as conical, cylindrical square or rectangular,

The acupressure stimulators can be plural or singular provided the acupressure point 2 receives pressure in this precise area.

The ring can be produced in many materials but fine metals are preferred for their malleable properties when adjusting the ring for individual sizing.

Figure 4 shows the ring band is rectilinear shape, but other alternative shapes may be equally effective.

As mentioned above the use of this invention provides a new innovative functionality of the generic ring , by stimulation of the blood flow to sinuses and throat, noiseless quality sleep can be achieved by a method that is non invasive does not require surgery or constant replenishment of consumable sleep enhancing products.

## Claims

- 1) A bio energy ring comprising of a ring band adjustable for finger size capable of being slid onto the little finger of either the right or left hand, and containing a plurality of precisely located acupressure stimulators extending from the inner surface of the ring band, applying pressure directly onto the correct arterial channel therein providing enhanced blood flow stimulus to the sinuses, throat and heart.
- 2) A bio energy ring as claimed in 1 wherein a plurality of precisely located acupressure stimulators are provided on the ring band to enhance the flow of blood along the arterial channel to the sinuses throat and heart.
- 3) A bio energy ring as claimed in claim 1 or claim 2 wherein a single precisely located acupressure stimulator is provided on the ring band.
- 4) A bio energy ring as claimed in claim 1 or claim 2 or claim 3 wherein the ring band is not continuous, therein allowing for adjustment of finger size.
- 5) A bio energy ring as claimed in claim 1 or claim 2 or claim 3 wherein the acupressure stimulators are rounded in shape and form.
- 6) A bio energy ring as claimed in claim 1 or claim 2 or claim 3 wherein the acupressure stimulators are moulded or formed in a variety of shapes by example: triangular shape, or polygonal shape, or polyhedral shape, or rhomboid shape, or wedge shape, or quadrangular shape, or cylindrical shape, or square shape, or cubic shape, or rectangular shape, or conical shape, or bulb shape, or tubular shape, or pyramidal shape or spring shape, or star shape, or

barrel shape, or crescent shape, or bell shape, or egg shape, or ellipsoidal shape, or mushroom shape, or balloon shape, or bullet shape, or capsule shape, or apple shape, or onion shape, or diamond shape, or pipe shape or rolling pin shape, or horn shaped, or bottle shape, or rose shaped, or flower head shapes, or ovoid shaped, or pear shape, or heart shape, or coil shape, or hoop shape, or turban shape, or knot shape, or tyre shape, or sports bat shape, or sports racquet shape, or prism shape, or pie shape, or animal shape, or vegetable shapes, or bird shapes, or fish shapes, or insect shapes, or tool shapes, or lozenge shapes, or "Z" shape image, or raised letters of alphabet shape from A to X, or crown shape, or bone shape, or transportation image shapes – car, or pedal cycle, or bus, or tram, or train, or boat, or ship, or aircraft, or motor cycle; or clover shape, or shamrock shape, or leek shape, or feather shape, or thistle shape, or leaf shapes, or pen shape, or coin shape, chain link shape, or bone shape, or billiard/snooker/pool cue shape, or brush shape, or spoon shape or book shape, or key shape, or tea/coffee pot shape.

- 7) A bio energy ring as claimed in claim 1 or claim 2 or claim 3 or claim 4 or claim 5 or claim 6 wherein the acupressure stimulator shapes can be repeated on the outer surface of the ring band directly adjacent to acupressure stimulator shapes on the inner surface of the ring band.
- 8) A bio energy ring as claimed in claim 1 or claim 2 or claim 3 or claim 4 or claim 5 or claim 6 or claim 7 wherein the ring band and acupressure stimulators are formed or moulded in metal, metal alloys or metallic based

materials by way of example, silver, gold, platinum, titanium, zinc, copper, brass.

- 9) A bio energy ring as claimed in claim 1 or claim 2 or claim 3 or claim 4 or claim 5 or claim 6 or claim 7 wherein the ring band and acupressure stimulators are formed or moulded in plastic or polymer based material.
- 10) A bio energy ring as claimed in claim 1 or claim 2 or claim 3 or claim 4 or claim 5 or claim 6 or claim 7 wherein the ring band and acupressure stimulators are formed or moulded in carbon based materials by way of example, carbon fibre, Kevlar.
- 11) A bio energy ring as claimed in claim 1 or claim 2 or claim 3 or claim 4 or claim 5 or claim 6 or claim 7 wherein the ring band and acupressure stimulators can be carved or formed from wood.
- 12) A bio energy ring as claimed in claim 1 or claim 2 or claim 3 or claim 4 or claim 5 or claim 6 or claim 7 wherein the ring band and acupressure stimulators can be moulded or formed from rubber and rubber based materials.
- 13) A bio energy ring as claimed in claim 1 or claim 2 or claim 3 or claim 4 or claim 5 or claim 6 or claim 7 wherein the ring band is moulded or formed from metal, metal alloys, or metallic materials and the acupressure stimulators are formed from precious or semi precious gem stones, by way of example, diamonds, or emeralds, or rubies, or garnets, or zircon, or zirconium, or opals, or pearls, or amethyst, or agate, or coral. or jade, or onyx, or sapphire, or solitaire.

- 14) A bio energy ring as claimed in claim 1 or claim 2 wherein single or plural acupressure stimulators are provided and the projections result in pressure being applied directly to the arterial channel.
- 15) A bio energy ring as claimed in claim 1 or claim 2 or claim 3 or claim 4 or claim 5 or claim 6 or claim 7 or claim 8 wherein the ring band and acupressure stimulators when formed or moulded in metal, metal alloys or metallic based materials can be either solid or extruded to form a hollow ring band and acupressure stimulator(s).
- 16) A bio energy ring substantially as described herein with reference to figure 1 to 8 of the accompanying drawings.

**Abstract.****Bio Energy Ring.**

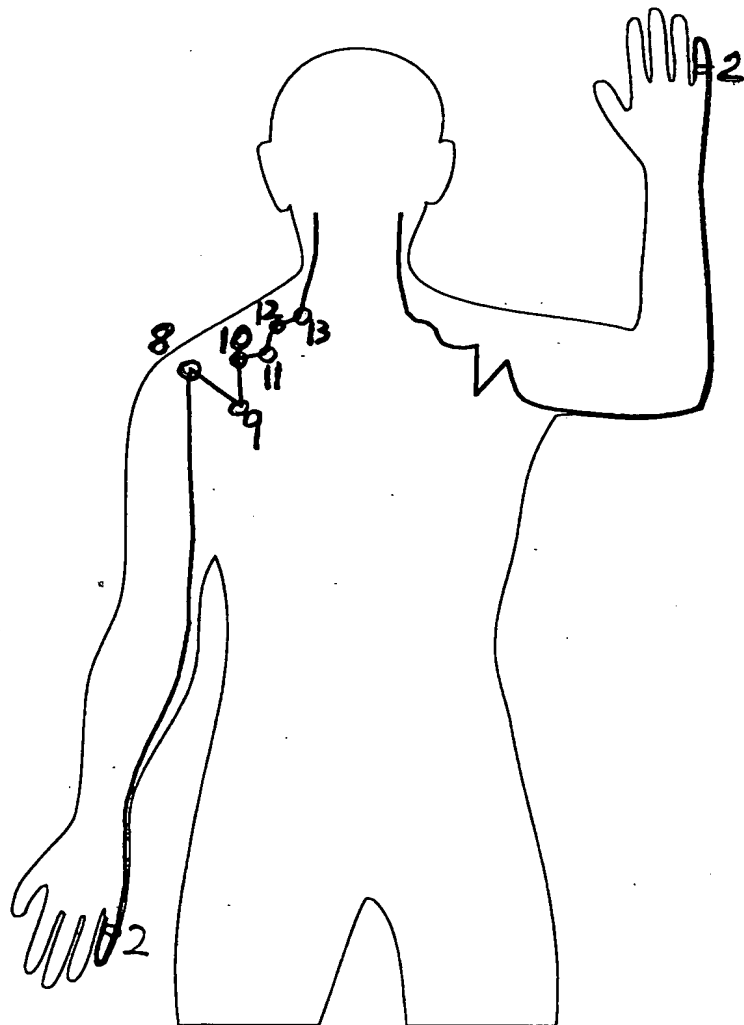
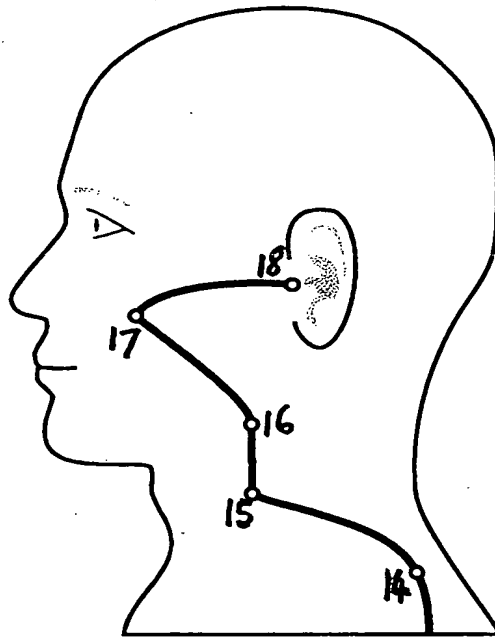
A ring comprising of a discontinuous ring band to be worn on the little finger of the hand (21) enabling individual adjustment for finger size, and containing one or more protuberances (19) extending from the inner surface of the ring band, (repeated (20) directly adjacent thereof on the outer surface of the ring band for cosmetic enhancement), thereby applying direct pressure onto the arterial channel supplying blood flow to the sinuses, throat and heart and enhancing the blood flow thereof. A direct benefit to the wearer being improved breathing, sleep patterns and reduction of chronic snoring.

Use Figure 3 and Figure 8 to accompany abstract.



1/4

FIG 1





2/4

FIG 2

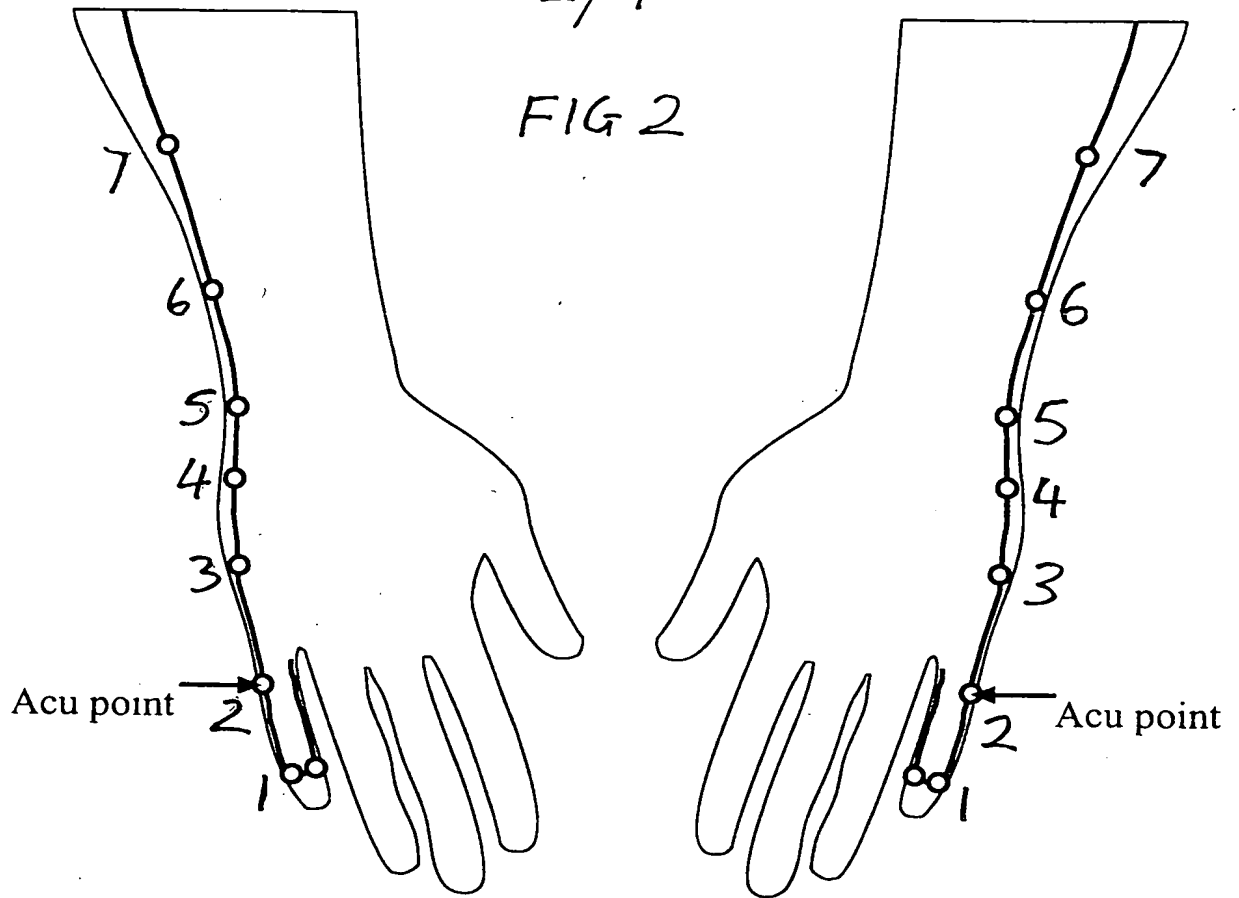
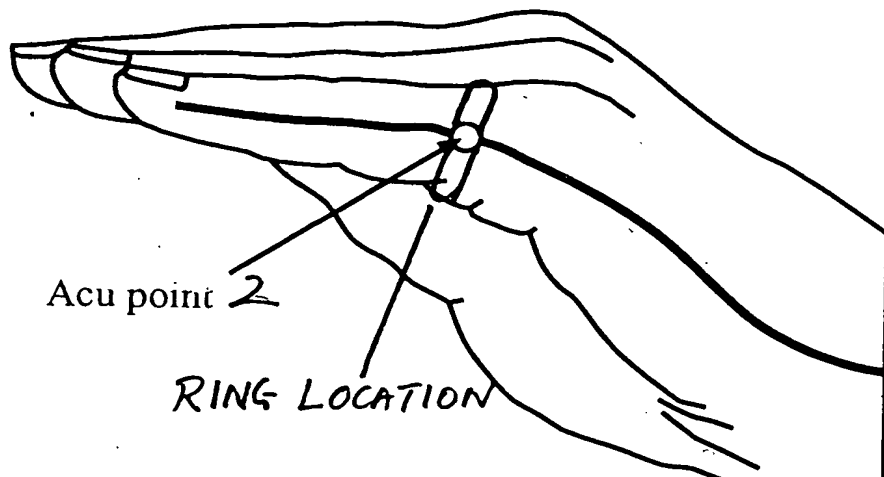


FIG 2A





3/4  
FIG 3

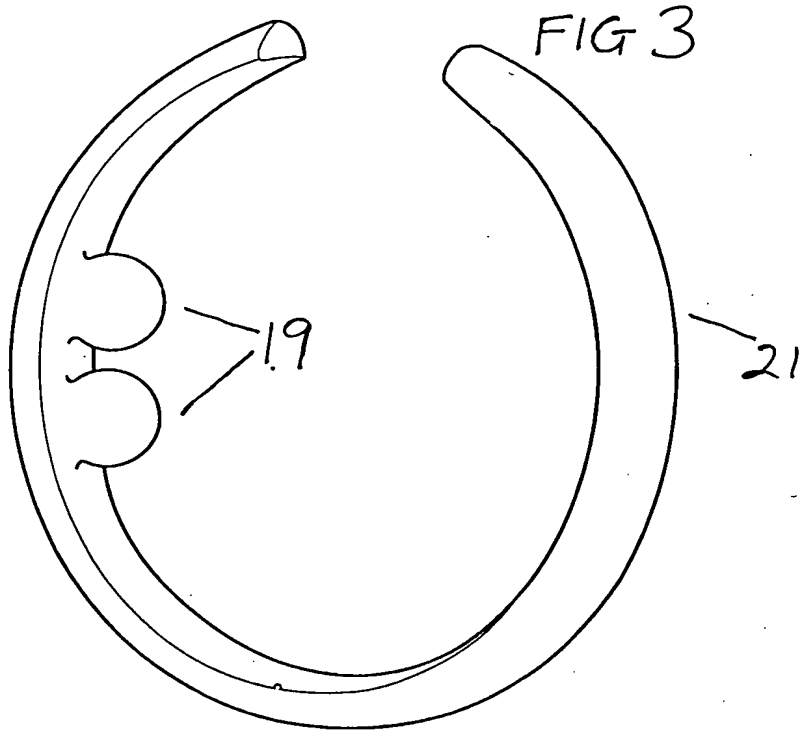


FIG 4

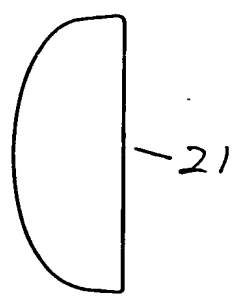


FIG 6

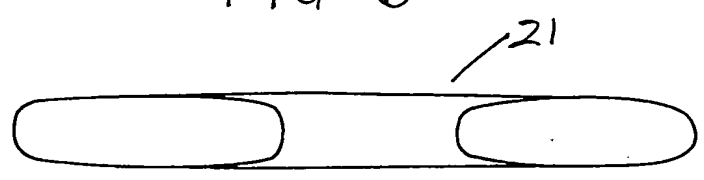
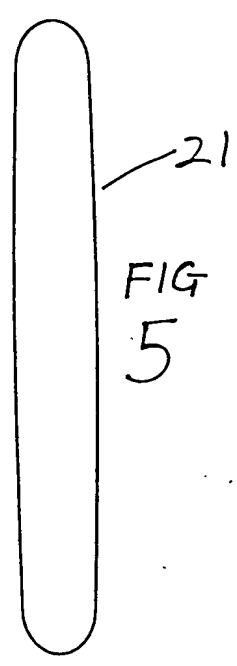


FIG  
5





4/4

FIG 7

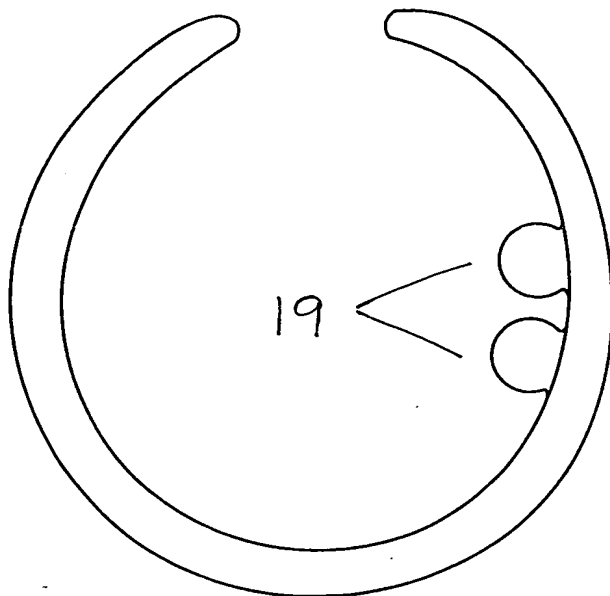


FIG 8

